

## ESPS Peer-review Report

**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 6552

**Title:** Activated protein C, a regulator of human skin epidermal keratinocyte functions

**Reviewer code:** 02610229

**Science editor:** Ma, Ya-Juan

**Date sent for review:** 2013-10-24 11:58

**Date reviewed:** 2014-01-03 11:20

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is a review article that summarizes the role of activated protein C in keratinocyte function. It is well written and reasonably describes the current literature. Minor comments: There ought to be more discussion by the authors of their own thoughts and ideas (pros and cons) as it relates to pharmaceutical potentials of APC. One example is as follows. Despite the importance of APC in anticoagulation, recombinant APC (Xigris) failed in clinical trials in the setting of sepsis. Bleeding was one of the problems. Could APC applied in the setting of skin modulate bleeding in the open wound settings?

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**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 6552

**Title:** Activated protein C, a regulator of human skin epidermal keratinocyte functions

**Reviewer code:** 02770184

**Science editor:** Ma, Ya-Juan

**Date sent for review:** 2013-10-24 11:58

**Date reviewed:** 2014-01-04 05:13

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

The review was well written. However, many reviews regarding the same topic were published in last several years. The author should acknowledge these reviews and indicate how the current review is different from the previous reviews. Here is a list of a few reviews published recently: 1. Montes R, Puy C, Molina E, Hermida J. *Thromb Haemost*. 2012 May;107(5):815-26. 2. van der Poll T, Levi M. *Curr Vasc Pharmacol*. 2012 Sep;10(5):632-8. 3. Della Valle P, Pavani G, D'Angelo A. *Thromb Res*. 2012 Mar;129(3):296-300. 4. Gleeson EM, O'Donnell JS, Preston RJ. *Cell Mol Life Sci*. 2012 Mar;69(5):717-26. 5. Navarro S, Bonet E, Estellés A, Montes R, Hermida J, Martos L, España F, Medina P. *Thromb Res*. 2011 Nov;128(5):410-6. 6. Shahzad K, Isermann B. *Hamostaseologie*. 2011 Aug;31(3):179-84. 7. Suzuki K. *FEBS J*. 2010 May;277(10):2223-9. 8. Sarangi PP, Lee HW, Kim M. *Br J Haematol*. 2010 Mar;148(6):817-33. 9. Wang J, Li J. *Am J Transl Res*. 2009 Jul 15;1(4):381-92. 10. Gupta A, Williams MD, Macias WL, Molitoris BA, Grinnell BW. *Curr Drug Targets*. 2009 Dec;10(12):1212-26. 11. Castellino FJ, Ploplis VA. *J Thromb Haemost*. 2009 Jul;7 Suppl 1:140-5. 12. Mann HJ, Short MA, Schlichting DE. *Am J Health Syst Pharm*. 2009 Jun 15;66(12):1089-96. 13. Neyrinck AP, Liu KD, Howard JP, Matthay MA. *Br J Pharmacol*. 2009 Oct;158(4):1034-47. 14. Loubele ST, Spronk HM, Ten Cate H. *Mini Rev Med Chem*. 2009 May;9(5):620-6.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 6552

**Title:** Activated protein C, a regulator of human skin epidermal keratinocyte functions

**Reviewer code:** 00289641

**Science editor:** Ma, Ya-Juan

**Date sent for review:** 2013-10-24 11:58

**Date reviewed:** 2014-01-05 06:04

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This review article provided an excellent review on the role of activated protein C in human skin epidermal keratinocyte functions. While the article was well written and important, the following issue need to be addressed: Subtitle 5 "PC/APC function and regulation" should be combined with Subtitle 3 "PC system on keratinocytes". It is about the expression, activation and regulation of PC/APC in keratinocytes. Subtitle 6 should be "the functions of PC/APC in keratinocytes". Please make the subtitles more specific and accurate, and avoid repetition.